

# Notice of Allowability

Application No.

09/504,531

Examiner

Diem K. Cao

Applicant(s)

CARON ET AL.

Art Unit

2194

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Request for Continue Examination.
2. ☒ The allowed claim(s) is/are 11-14, 16-25, 27-37, 39-51, 53-55, now renumbered 1-41.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☒ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☒ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☒ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 4/14/05
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
MENG-T. AN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Jens Jenkins (Reg. No. 44803) on May 5<sup>th</sup> 2005.

2. The application has been amended as follows:

Claim 11. (Currently Amended) A machine-readable medium having instructions stored thereon for execution by a processor to perform a method comprising:

receiving a message in a queue that is associated with a plurality of triggers having a trigger ordering, each trigger comprising one or more rules and grouping the one or more rules such that any rule ordering of the one or more rules is independent of the trigger ordering, each trigger further comprising an enabled state and a disabled state, each rule specifying a condition and an action, where the action specified by each rule is variable from rule to rule;

for each trigger associated with the queue, in the order of the trigger ordering of the plurality of triggers, checking whether the condition specified by each of the one or more rules of and grouped by the trigger is satisfied by the message only when the trigger is in the enabled state; and,

upon determining that the condition of the rule is satisfied by the message, performing the action specified by the rule.

Claim 15. (Cancelled)

Claim 20. (Currently Amended) A transactional message system comprising:

at least one queue, each queue capable of receiving a plurality of messages;

a trigger store of ~~at least one trigger~~ comprising a plurality of ordered triggers, each trigger associated with a queue, having a switchable enabled/disabled state switched to one of an enabled state and a disabled state, and each trigger grouping a plurality of rules in the trigger, each rule, at least, specifying a condition and specifying an action, and the action specified by each rule is capable of being different for each rule; and,

a trigger service configured to, at least, upon receipt of a message in a queue, for each trigger associated with the queue, if the switchable enabled/disabled state of the trigger is in the enabled state, check the condition specified by each rule grouped by the trigger for satisfaction by the message, such that the action specified by the rule is performed upon satisfaction by the message of the condition specified by the rule.

Claim 26. (Cancelled)

Claim 36. (Currently Amended) A computer for inclusion into a transactional message system comprising:

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at least one queue, each queue capable of receiving a plurality of messages;  
a trigger store of at least one trigger, each trigger comprising an enabled state and a disabled state, each trigger further being associated with a queue and each trigger grouping at least one rule in the trigger, each rule, at least, specifying a condition and specifying an action, and the action specified by each rule is capable of being different for each rule;

a trigger manager configured to, at least, provide for creating, editing and deleting of triggers and rules grouped in triggers in a visual, non-programming manner; and,

means for, upon receipt of a message in a queue, for each trigger associated with the queue, checking the condition specified by each rule grouped by the trigger for satisfaction by the message only when the trigger is in the enabled state, and performing the action specified by the rule upon satisfaction by the message of the condition specified by the rule.

Claim 48. (Currently Amended) A computer-implemented method performable within a transactional message system comprising:

receiving a transactional message in a queue associated with a plurality of triggers having a trigger order, each trigger comprising a switchable enabled/disabled state and a set of rules and grouping the set of rules such that any ordering of the set of rules is independent of the trigger order, the set of rules comprising a set of checked rules having a rule order independent of non-checked rules, and each rule specifying a condition and an action, where the action specified by each rule is variable from rule to rule, and wherein the set of rules grouped by the trigger is checked for satisfaction only if the switchable enabled/disabled state of the trigger is in an enabled state; and

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for each trigger associated with the queue, in the trigger order of the plurality of triggers, and for each checked rule of the trigger in the rule order of the set of checked rules grouped by the trigger:

- (a) checking if the message satisfies the condition specified by the checked rule; and
- (b) if the message does satisfy the condition specified by the checked rule then performing the action specified by the checked rule.

Claim 52. (Cancelled)

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Diem K. Cao whose telephone number is (571) 272-3760. The examiner can normally be reached on Monday - Friday, 7:30AM - 1:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**Any response to this action should be mailed to:**  
Commissioner for Patents

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PO Box 1450  
Alexandria, VA 22313-1450

Any inquiry of a general nature or relating to the status of this application should be directed to the TC 2100 Group receptionist at 571-272-2100.

Due to the realignment of WG 2120, effective March 20, 2005, AU 2126 will become AU 2194

Diem Cao

  
**MENG-AL T. AN**  
**SUPERVISORY PATENT EXAMINER**  
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